

**INTERNATIONAL SEARCH REPORT**

International Application No  
PCT/IB2004/052563

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H01L29/78 H01L29/423 H01L29/08 H01L29/36

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**  
Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 HOIL

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category <sup>o</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 054 451 A (INTERSIL CORPORATION) 22 November 2000 (2000-11-22) column 4, line 15 - column 5, line 8; figure 2 column 1, line 50 - line 53; claim 10 -----	1-10
X	WO 00/33386 A (KONINKLIJKE PHILIPS ELECTRONICS NV) 8 June 2000 (2000-06-08) page 5, line 7 - page 7, line 26; figure 1 page 10, line 11 - line 16 page 10, line 28 - page 11, line 6 -----	1-10
X	US 5 981 996 A (FUJISHIMA N ET AL) 9 November 1999 (1999-11-09) column 8, line 28 - column 10, line 28; figure 1 -----	1-10
	-/--	

Further documents are listed in the continuation of box C.  Patent family members are listed in annex.

<sup>o</sup> Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier document but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 19 September 2005	Date of mailing of the international search report 27/09/2005
--	--

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Morvan, D
--	---------------------------------

INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/052563

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 637 898 A (BALIGA B J ET AL)                      10 June 1997 (1997-06-10)                      the whole document</p> <p style="text-align: center;">-----</p>	1-10

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No  
PCT/IB2004/052563

Patent document cited in search report		Publication date	Patent family member(s)			Publication date
EP 1054451	A	22-11-2000	JP	2000353805	A	19-12-2000
			us	6198127	B1	06-03-2001
			us	6433385	B1	13-08-2002
			us	2001000919	A1	10-05-2001
WO 0033386	A	08-06-2000	EP	1066652	A2	10-01-2001
			JP	2002531953	T	24-09-2002
			US	6541817	B1	01-04-2003
us 5981996	A	09-11-1999	JP	3291957	B2	17-06-2002
			JP	8222735	A	30-08-1996
us 5637898	A	10-06-1997	NONE			